

ORIGINAL
REMEDIAL SITE ASSESSMENT DECISION - EPA REGION 3

ORIGINAL



Site Name: Phillips Landfill EPA ID#: PAD 980706964 DSN: PA-0076

Alias Site Names: Sto-Ken Rox

City: Stowe and Kennedy Townships County: Allegheny State: PA

Refer to Report Dated: September 24, 2003 Report type: Closure Plan Modification Approval Letter

Report developed by: PADEP - Waste Management *DEP [signature]*

DECISION:

☒ 1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

☒ N-NFRAP-No further Remedial

☐ A-Addressed as part of an existing
NPL site (site will be entered if
this is selected)

☐ D-Deferred to RCRA

☐ B-Addressed as part of another non-NPL site

☐ W-Referred to Removal, no further Rmdl Asmt

☐ DN-Deferred to NRC

☐ SA Recommended as a SF Alternative Site

Other Cleanup Activity: Fed Fac (FF) ☐ Private Party Lead (PP) ☐ State Lead (OS) ☐

☐ 2. Further Assessment Needed Under CERCLA:

☐ H: Higher priority for further assessment

☐ G: Recommended for HRS Scoring

☐ F: Referred to Removal, Needs further
Remedial Assessment

☒ L: Lower priority for further assessment

☐ O: Being Considered for proposal to the NPL

Site decision made by: Lisa Johnson

Decision Date: 2/25/11

DISCUSSION/RATIONALE:

The Site contains three areas of concern: a permitted, closed, 40 acre solid waste landfill that formerly received demolition debris, foundry sand, and municipal waste; a closed 22 acre cement dust landfill that formerly received cement kiln dust, foundry sand and other materials; and a 3 acre slag yard that is actively used for the storage and resale of slag, recycled concrete and other materials.

The most significant concern at this Site is surface water contamination. Each of the three areas of concern is underlain by a stream or underdrain, which discharges directly or indirectly into the back channel of the Ohio River, which is a recreational fishery. A large municipal drinking water intake and 0.8 mile of wetland frontage are downstream of the Site. A secondary concern is ground water contamination, although the nearest drinking water well is almost 2 miles from the site.

A Preliminary Assessment was prepared on 12/29/1980 and a Site Inspection (SI) was recommended. The SI was performed in 1981. Surface water and groundwater sampling revealed apparent contamination of groundwater with pentachlorophenol (PCP) and bis(2-ethylhexyl) phthalate (DEHP) and surface water contamination with manganese, zinc, and boron.

In June and August 1992, a Site Inspection Prioritization (SIP) was conducted onsite to further characterize the site and reevaluate the site under the new HRS model. Analysis revealed contamination of groundwater with cyanide and manganese. Surface water was contaminated with cyanide, arsenic, manganese, and selenium; sediment analysis found cyanide, polycyclic aromatic hydrocarbons (PAHs) and traces of chlorinated pesticides. Onsite wastes generated from dumping and permitted waste activities were found to contain cyanide, PAHs, arsenic, barium, chromium, cobalt, copper, lead, manganese, mercury, selenium, vanadium, and zinc.

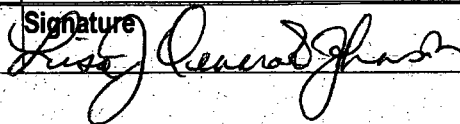
PADEP has taken the lead on this site as of 1/30/1996. Site status in CERCLIS is OCA and is a State Lead Cleanup. EPA has reviewed post-closure documentation relating to closure plan modifications of the landfill. EPA determined that Phillips Landfill is working under a Closure Plan approved by PADEP. The closure plan includes a groundwater, surface water, and gas monitoring plans. The facility has been performing post-closure maintenance and monitoring since 1996. Semi-annual groundwater, surface water, and methane monitoring is required by PADEP. The site is also required to be bonded for \$11,451.00 by PADEP.

Based on Phillips Landfill post closure status and closure permit with PADEP's Waste Management program which includes ongoing monitoring of surface water, groundwater, and landfill gas, the EPA anticipates no need to take any Superfund enforcement, investigatory, cost recovery, or cleanup action at this site unless new data or information that warrants further consideration or conditions not previously known to EPA regarding the site are discovered, and therefore the site will be entered with a priority of "No Further Remedial Action Planned".

Report Reviewed/Approved Site Decision Made By:

Lisa Johnson

Signature



Date

3/20/11

EPA Form # 9100-3

3/7/11